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Titolo	Handbook on Advances in Remote Sensing and Geographic Information Systems : Paradigms and Applications in Forest Landscape Modeling // by Margarita N. Favorskaya, Lakhmi C. Jain
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Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XIX, 415 p. 109 illus.)
Collana	Intelligent Systems Reference Library, , 1868-4394 ; ; 122
Disciplina	634.92
Soggetti	Computational intelligence Geographical information systems Signal processing Image processing Speech processing systems Artificial intelligence Computational Intelligence Geographical Information Systems/Cartography Signal, Image and Speech Processing Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Innovations in Remote Sensing of Forests -- Overview of LiDAR Technologies and Equipment for Land Cover Scanning -- Software Tools for Terrain and Forest Modelling -- Data Fusion for Evaluation of Woodland Parameters -- Tree Modelling in Virtual Reality Environment -- Realistic Tree Modelling -- Digital Modelling of Terrain Surface -- Texturing of Landscape Scenes -- Large Scene Rendering -- Scene Rendering under Meteorological Impacts -- Lighting and Shadows Rendering in Natural Scenes -- Modelling of Forest Ecosystems.
Sommario/riassunto	This book presents the latest advances in remote-sensing and geographic information systems and applications. It is divided into four parts, focusing on Airborne Light Detection and Ranging (LiDAR) and

Optical Measurements of Forests; Individual Tree Modelling; Landscape Scene Modelling; and Forest Eco-system Modelling. Given the scope of its coverage, the book offers a valuable resource for students, researchers, practitioners, and educators interested in remote sensing and geographic information systems and applications.
